

CLAIMS

What is claimed is:

1. A shock absorber comprising:
 - a pressure tube defining a working chamber;
 - a piston disposed within said working chamber, said piston dividing said working chamber into an upper working chamber and a lower working chamber;
 - a piston rod attached to said piston, said piston rod extending from said piston through one end of said pressure tube;
 - a rod guide disposed between said one end of said pressure tube and said piston rod; and
 - a sealing system disposed between said rod guide and said piston rod, said sealing system comprising:
 - a slip ring disposed between said piston rod and said rod guide, said slip ring slidably engaging said piston rod; and
 - a first biasing member urging said slip ring into engagement with one of said piston rod and said rod guide.
2. The shock absorber in Claim 1 wherein said first biasing member urges said slip ring into engagement with said rod guide.

3. The shock absorber in Claim 2 wherein said shock absorber further comprises a bearing disposed between said rod guide and said piston rod, said first biasing member being disposed between said bearing and said slip ring.

4. The shock absorber in Claim 3 wherein said biasing member is a wave washer.

5. The shock absorber in Claim 1 wherein said shock absorber further comprises a bearing disposed between said rod guide and said piston rod, said first biasing member being disposed between said bearing and said slip ring.

6. The shock absorber in Claim 5 wherein said biasing member is a wave washer.

7. The shock absorber in Claim 1 wherein said biasing member is a wave washer.

8. The shock absorber in Claim 1 wherein said first biasing member urges said slip ring into engagement with said piston rod.

9. The shock absorber in Claim 8 wherein said first biasing member is a circlip.

10. The shock absorber in Claim 8 further comprising a retainer for positioning said slip ring with respect to said rod guide.

11. The shock absorber in Claim 10 wherein said first biasing member is a circlip.

12. The shock absorber in Claim 1 further comprising a second biasing member urging said slip ring into engagement with the other of said piston rod and said rod guide.

13. The shock absorber in Claim 12 wherein said first biasing member is a circlip.

14. The shock absorber in Claim 13 wherein said biasing member is a wave washer.

15. The shock absorber in Claim 14 wherein said second biasing member is a circlip.